

**INITIAL STATEMENT OF REASONS
FOR PROPOSED BUILDING STANDARDS
OF THE CALIFORNIA BUILDING STANDARDS COMMISSION
REGARDING THE 2019 CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5
(BSC 04/18)**

The Administrative Procedure Act (APA) requires that an Initial Statement of Reasons be available to the public upon request when rulemaking action is being undertaken. The following information required by the APA pertains to this particular rulemaking action:

STATEMENT OF SPECIFIC PURPOSE, PROBLEM, RATIONALE and BENEFITS

This proposed action by the California Building Standards Commission (BSC) adopts the most current edition of the Uniform Plumbing Code (UPC) of the International Association of Plumbing and Mechanical Officials, (IAPMO) with existing amendments to be moved forward without modification (not shown in their entirety) and new amendments shown below. BSC's amendments are non-substantive and, for the most part, address sections that have been renumbered in Chapters 15 and 16 of the 2018 UPC. Each triennial edition of the California Code of Regulations (CCR) becomes effective 180 days after its publication. The adoption of the 2018 UPC will make applicable the most recent edition for use by individuals, businesses and state agencies as mandated by the Health & Safety Code (H&SC), Section 18928.

New amendments and existing amendments (some shown for context): Item numbers used coordinate with the items listed in the Express Terms.

BSC's proposal adopting and amending the 2019 California Plumbing Code (CPC) was presented to the Plumbing, Electrical, Mechanical, and Energy (PEME) Code Advisory Committee during its August 14-15, 2018 meeting. Each committee recommendation is listed below, accompanied by BSC's response.

ITEM 1. CHAPTER 1 – CALIFORNIA ADMINISTRATION, DIVISION I

Section 1.1.1 Title

Agency Statement:

BSC proposes to update the general title statement reflecting adoption of the 2018 Uniform Plumbing Code, the most recent edition of the model code. Additionally, BSC proposes to carry forward existing amendments in *Chapter 1, Division I* through *Chapter 1, Division II*.

Specific Purpose, Rationale, and Benefit:

Updating the edition of the model code referenced is required to meet Building Standards Law regarding the adoption of the most recent edition of model code within one year of the model code publication. This update will clarify the codes available for use in construction and maintain the most current building standards for the protection of public health and welfare in the built environment.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to *Chapter 1, Division I, Section 1.1.1*

BSC Response: BSC agreed with the CAC recommendation.

Section 1.1.3.2 State-Regulated Buildings, Structures, and Applications

Agency Statement, Purpose, Rationale, and Benefit:

BSC proposes to make the word “Section” plural as a grammatical correction. This editorial code change will benefit the code user by ensuring consistency, accuracy, and clarity within the code. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to *Chapter 1, Division I, Section 1.1.3.2*

BSC Response: BSC agreed with the CAC recommendation.

Section 1.1.8.2 Locally Adopted Energy Standards – California Energy Code, Part 6

Agency Statement, Purpose, Rationale

BSC proposes to change the word “Part” from capitalized to lower-case as a grammatical correction. Additional grammatical edits to this section include changing the word “applies” to “apply,” “city” to “cities,” and “county” to “counties.” These editorial code changes will benefit the code user by ensuring consistency, accuracy, and clarity within the code. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to *Chapter 1, Division I, Section 1.1.8.2*

BSC Response: BSC agreed with the CAC recommendation.

ITEM 2. – CHAPTER 1, Division II

Agency Statement, Specific Purpose, Rationale, and Benefit:

Chapter 1 Administration of the 2018 UPC is renamed Chapter 1, *Division II*, by BSC (this is the amendment carried forward referenced in ITEM 1 above), and contains administrative provisions used by local jurisdictions. Additionally, BSC continues to not adopt Chapter 1, *Division II*, which is printed for use by local jurisdictions only.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to BSC continuing to not adopt Chapter 1, *Division II*

BSC Response: BSC agreed with the CAC recommendation.

ITEM 3. – CHAPTER 2 – DEFINITIONS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapter 2 of the 2018 UPC, and to carry forward existing amendments that include the deletion of some model code definitions, for use in the 2019 CPC (for BSC and BSC-CG). BSC has included specified state definitions in its express terms for context (applicable under the BSC-CG banner). This will ensure accuracy and consistency with existing definitions that have been co-adopted by other state agencies (e.g. HCD, DWR, etc.). Additionally, BSC is repealing its definition of “Urinal, Hybrid,” as the 2018 UPC has picked up this definition in the model, which BSC is co-adopting with HCD. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Chapter 2 Definitions**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 4. – CHAPTER 3 – GENERAL REGULATIONS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt the entire Chapter 3 of the 2018 UPC with a single editorial amendment to change the term “building code” to “*California Building Code*” (for BSC). This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to Chapter 3, **Section 309.5**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 5. – CHAPTER 4 – PLUMBING FIXTURES AND FIXTURE FITTINGS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapter 4 of the 2018 UPC and to carry forward existing amendments for use in California for all occupancies, as required by statute. BSC and BSC-CG amendments in Sections 401.3, 412, 422, and the headings for Tables A, 4-3, and 4-4 are shown for context. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

408.5 Finished Curb or Threshold

Agency Statement, Specific Purpose, Rationale, and Benefit

BSC is proposing editorial amendments to this section consistent with changes made by HCD (for BSC). These editorial code changes will benefit the code user by ensuring consistency, accuracy, and clarity within the code. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to Chapter 4, **Section 408.5**

BSC Response: BSC agreed with the CAC recommendation.

422.1 Fixture Count

Agency Statement, Purpose, Rationale, and Benefit

BSC proposes a clarifying amendment to this section, changing the word “and” to “or” and rewording the section so it appropriately reads “...in accordance with the *California Building Code or Occupant Load Factor Table A*.” This proposed code change clarifies a publication error from a previous cycle and will reduce confusion at the local level by clarifying the Authority Having Jurisdiction’s ability to enforce either Table A of the CPC or the California Building Code (i.e. CBC Table 1004.1.2). This code change was coordinated with DSA-SS/CC and will benefit the code user by ensuring consistency, accuracy, and clarity within the code.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to Chapter 4, **Section 422.1**

BSC Response: BSC agreed with the CAC recommendation. Because DSA-SS/CC received a Short Term Further Study (STFS) recommendation on this section with direction to coordinate with BSC, both agencies have co-adopted the modifications to this section in response to the CAC recommendation.

ITEM 6. – CHAPTER 5 – WATER HEATERS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapter 5 of the 2018 UPC without amendment for use in California for all occupancies, as required by statute. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed adoption of **Chapter 5 Water Heaters**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 7. – CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION

601.3.3 Alternate Water Sources

Agency Statement, Specific Purpose, Rationale, and Benefit:

This proposed editorial amendment was not included in BSC’s initial submittal. Following the PEME Code Advisory Committee meeting, BSC coordinated with DWR and HCD, necessitating a new amendment to this section. It was identified that DWR’s amendment to

item (2) of this section pertains to signage for recycled water in outdoor applications within the authority of BSC and HCD. Therefore, DWR withdrew this particular amendment and BSC and HCD have included it in their respective 45-day express terms. This coordinated code change will result in no change in regulatory effect and will benefit the code user by ensuring consistency, accuracy, and clarity within the code.

TABLE 604.1 Renumbering Notes (no changes to table)

Agency Statement, Specific Purpose, Rationale, and Benefit:

Because the 2018 UPC added a new, second note below Table 604.1 (“For brazed fittings only”), the following existing Notes 2, 3, and 4 (added by BSC and HCD) must be renumbered to align with the 2018 UPC. As such, BSC proposes to carry forward existing amendments to Table 604.1, and to renumber the notes below the table to align with the 2018 UPC. Additionally, BSC is proposing to update the reference to ASTM F876-2013a to 2015a. Existing amendments to Sections 604.13 and 605.10 are shown for context. These editorial amendments are consistent with HCD. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to Table 604.1, with a comment that the national reference standard ASTM F876 2017a was recently published. However, the 2018 UPC references ASTM F876 2015a, which BSC will retain in its express terms in coordination with HCD.

BSC Response: BSC agreed with the CAC recommendation.

607.1 General

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to delete the model code term “building code” and replace it with a more accurate reference to the “California Building Code.” This editorial amendment is consistent with HCD and there is no change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Section 607.1**

BSC Response: BSC agreed with the CAC recommendation.

Table 610.3

Agency Statement, Specific Purpose, Rationale, and Benefit:

The 2018 UPC added the term “Urinal, Hybrid” to Table 610.3. Therefore, BSC is proposing to repeal its amendment adding the term to this table. This editorial amendment is consistent with HCD, provides clarity to the code user, and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Table 610.3**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 8. – CHAPTER 7 – SANITARY DRAINAGE

TABLE 702.1

Agency Statement, Specific Purpose, Rationale, and Benefit:

The 2018 UPC added the term “Urinal, Hybrid” and corresponding information to Table 702.1. Therefore, BSC is repealing its existing amendment that adds this term. This is consistent with HCD and ensures clarity for the code user. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Table 702.1**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 9. – CHAPTER 8 INDIRECT WASTES, CHAPTER 9 VENTS, and CHAPTER 10 TRAPS AND INTERCEPTORS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapters 8, 9, and 10 of the 2018 UPC without amendment for use in California for all occupancies, as required by statute. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed adoption of **Chapters 8, 9, and 10**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 10. – CHAPTER 11 – STORM DRAINAGE

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapter 11 of the 2018 UPC, and carry forward existing amendments from the 2016 CPC for use in the 2019 CPC. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed adoption of **Chapter 11 Storm Drainage**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 11. – CHAPTER 12 – FUEL PIPING

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt Chapter 12 of the 2018 UPC without amendment. This action provides general construction provisions for plumbing systems used throughout the state and ensures consistency for the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed adoption of **Chapter 12 Fuel Piping**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 12. – CHAPTER 13 – HEALTH CARE FACILITIES AND MEDICAL GAS AND VACUUM SYSTEMS

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to not adopt Chapter 13 of the 2018 UPC. This chapter is adopted by the Office of the State Fire Marshal (for fire and panic safety) and amended by the Office of Statewide Health Planning and Development.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposal to continue to not adopt **Chapter 13**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 13. – CHAPTER 14 – FIRESTOP PROTECTION

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to not adopt Chapter 14 of the 2018 UPC. BSC does not have authority to adopt provisions that pertain to fire and life safety, which are the sole authority of the State Fire Marshal (SFM). This action maintains consistency with prior BSC rulemaking actions and will avoid conflict with the proposed actions of SFM.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposal to continue to not adopt **Chapter 14**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 14. – CHAPTER 15 – ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS

Agency Statement:

BSC proposes to adopt Chapter 15 of the 2018 UPC, to carry forward existing amendments, and propose new amendments as follows.

Delete Non-regulatory Intent Language

Specific Purpose, Rationale, and Benefit:

BSC proposes to delete the non-regulatory intent language at the beginning of Chapter 15. This intent language was brought into the CPC, Chapter 16A, during HCD's 2009 Graywater Emergency Rulemaking. The intent was to inform the code user that Chapter 16A "Graywater" only applied to occupancies under the authority of HCD and explained the intention of the regulations. Chapter 15 now encompasses all alternate water sources by multiple agencies. Therefore, the intent is no longer necessary and is consistent with HCD and DWR.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed deletion of the **non-regulatory intent language**

BSC Response: BSC agreed with the CAC recommendation.

Section 1501.2 System Design

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC's existing Exception 3 (co-adopted with HCD and DWR) is not necessarily a true exception to the provisions of Section 1501.2. Therefore, BSC proposes to delete Exception 3 and relocate the language to a more appropriate location beneath the model code language in Section 1501.2. This code change is consistent with HCD and DWR and provides clarity to the code user.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1501.2 System Design**

BSC Response: BSC agreed with the CAC recommendation.

Section 1501.3 Permit and Exception

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to adopt the above referenced model code section, and repeal an existing California amendment. The model code provides the same language referring to the Authority Having Jurisdiction; there is no need for the California amendment to be carried forward. Additionally, within the exception to this section BSC proposes to renumber the code reference from 1502.1.1 to 1503.1.1 to align with the UPC renumbering format.

These amendments are consistent with HCD and DWR, and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1501.3 Permit**

BSC Response: BSC agreed with the CAC recommendation.

Table 1501.5

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC's amendments to Table 1501.5 are applicable to graywater systems for all nonresidential occupancies not regulated by another state agency. Therefore, BSC is proposing to change the banner from "BSC" to "BSC-CG" to more accurately reflect the amended table's applicability under BSC's authority for green building standards.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Table 1501.5**

BSC Response: BSC agreed with the CAC recommendation.

Section 1501.6 Operation and Maintenance Manual.

Agency Statement, Specific Purpose, Rationale, and Benefit:

This proposed editorial amendment was not included in BSC's initial submittal. Following the PEME Code Advisory Committee meeting, BSC coordinated with DWR and HCD, necessitating a new amendment to this section. In response to the Short Term Further Study Item that DWR received on this code section, BSC is updating a code section reference to align with the renumbering of the UPC (HCD is co-adopting this amendment as well). There is no intended change in regulatory effect.

Section 1501.7 Minimum Water Quality Requirements

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber code references in this section to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1501.7 Minimum Water Quality Requirements**

BSC Response: BSC agreed with the CAC recommendation.

1501.9 Signage (formerly 1501.10)

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading and renumber code references in within the section language to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1501.9 Signage**

BSC Response: BSC agreed with the CAC recommendation.

Section 1501.9.1 (formerly 1501.10.1) Commercial, Industrial, Institutional, and Residential Restroom Signs

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Short Term Further Study (STFS) to the proposed amendment to **1501.9.1**, with a suggestion to coordinate with HCD and DWR to determine if it is appropriate that the CPC show signage language in italics.

BSC Response: BSC agreed with the CAC recommendation. Upon further study in coordination with HCD and DWR, the three agencies agreed to maintain the existing signage language as it is currently printed for the following reasons:

- This section is only proposed to be renumbered; the signage language is simply carried forward without modification
- The APA necessitates that amendment language in the express terms document be italicized to clearly distinguish California amendments to model code
- In addition to the CPC, sign manufacturers are required to comply with Chapter 11B of the California Building Code, which prohibits the use of italics on a sign

Section 1501.9.2 (formerly 1501.10.2) Equipment Room Signs

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Short Term Further Study (STFS) to the proposed amendment to **1501.9.2**, with a suggestion to coordinate with HCD and DWR to determine if it is appropriate that the CPC show signage language in italics.

BSC Response: BSC agreed with the CAC recommendation. Upon further study in coordination with HCD and DWR, the three agencies agreed to maintain the existing signage language as it is currently printed for the following reasons:

- This section is only proposed to be renumbered; the signage language is simply carried forward without modification
- The APA necessitates that amendment language in the express terms document be italicized to clearly distinguish California amendments to model code
- In addition to the CPC, sign manufacturers are required to comply with Chapter 11B of the California Building Code, which prohibits the use of italics on a sign

Section 1502.1 (formerly 1501.11 Inspection and Testing)

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber code references within the section to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1502.1**

BSC Response: BSC agreed with the CAC recommendation.

1502.3 (formerly 1501.11.2) Cross-Connection Inspection and Testing (and subsections)

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading, as well as its subsections, and renumber code references within the section language to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1502.3**

BSC Response: BSC agreed with the CAC recommendation.

Section 1503.1 (formerly 1502.1) General

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. Within the state amended language in subsection (D), BSC is proposing to add the word “two” next to the number 2 for clarity. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1503.1**

BSC Response: BSC agreed with the CAC recommendation.

Section 1503.1.1 (formerly 1502.1.1)

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section is reserved for HCD and is only shown for context.

1503.1.2 1502.1.3 Simple System

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading and renumber a code reference within subdivision (1) to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1503.1.2**

BSC Response: BSC agreed with the CAC recommendation.

1503.1.3 1502.1.3 Complex System

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section heading and renumber a code reference within subdivision (1) to align with corresponding sections renumbered in the 2018 UPC. This is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1503.1.3**

BSC Response: BSC agreed with the CAC recommendation.

1503.3 (formerly 1502.3) Connections to Potable and Reclaimed (Recycled) Water Systems

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. Within the state amended language in Exception (2), BSC is proposing to renumber a code reference to align with the corresponding section renumbered in the UPC. This editorial amendment is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1503.3**

BSC Response: BSC agreed with the CAC recommendation.

1504.3 (formerly 1502.10.2) Determination of Maximum Absorption Capacity

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. Within the state amended language in Exception (2), BSC is proposing to renumber a code reference to align with the corresponding section renumbered in the UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.3**

BSC Response: BSC agreed with the CAC recommendation.

1504.5 1502.11 Irrigation, Disposal Field and Mulch Basin Construction

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.5**

BSC Response: BSC agreed with the CAC recommendation.

1504.5.1 1502.11.1 Mulch Basin

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC, and also to renumber a code reference within the section language. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.5.1**

BSC Response: BSC agreed with the CAC recommendation.

1504.5.2 1502.11.2 Irrigation Field

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC, and also to renumber a code reference within subsection (3). This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.5.2**

BSC Response: BSC agreed with the CAC recommendation.

1504.5.3 ~~1502.11.3~~ Disposal Field

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section based on the renumbered section in the 2018 UPC. Additionally, BSC is proposing to add a comma after the word “available”, and an apostrophe in the word “fields” in subsection (A). Lastly, within subsection (C), BSC is renumbering a code reference. These editorial and grammatical amendments are consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.5.3**

BSC Response: BSC agreed with the CAC recommendation.

Table 1504.5.5 (formerly Table 1502.11) Subsurface Irrigation Design Criteria for Six Typical Soils

Agency Statement, Specific Purpose, Rationale, and Benefit:

This table has been renumbered in the 2018 UPC and is only shown here for context.

Table 1504.7.3 (formerly 1502.11.3) Subsoil Irrigation Field Construction

Agency Statement, Specific Purpose, Rationale, and Benefit:

This table has been renumbered in the 2018 UPC and is only shown here for context.

1504.9 (Formerly 1502.13) Other Collection and Distribution Systems.

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC and is shown here for context.

1504.9.1 ~~1502.13.1~~ Future Connections

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1504.9.1**

BSC Response: BSC agreed with the CAC recommendation.

1505.0 (formerly 1503.0) Reclaimed (Recycled) Water Systems

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC does not adopt this section, which is currently adopted and amended by the Department of Water Resources. It is shown here for context.

1506.4 (formerly 1504.4) Connections to Potable or Reclaimed (Recycled) Water Systems

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to renumber a code reference within Exception (2) to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and DWR and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1506.4**

BSC Response: BSC agreed with the CAC recommendation.

1506.9 (formerly 1504.10) Design and Installation

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to renumber a code reference to more accurately align with corresponding renumbered sections in the UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1506.9**

BSC Response: BSC agreed with the CAC recommendation.

1506.9.6 ~~1504.10.6~~ Disinfection

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1506.9.6**

BSC Response: BSC agreed with the CAC recommendation.

1506.11 (Formerly 1504.11) Signs

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber code references to align with corresponding renumbered sections in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1506.11**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 15. – CHAPTER 16 – NONPOTABLE RAINWATER CATCHMENT SYSTEMS

1601.1 Applicability

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to repeal its co-adopted amendment language referencing applicable provisions in Section 1501.7. Chapter 16 of the UPC adequately addresses provisions for rainwater catchment systems. Therefore, the amendment referencing Chapter 15 is no longer necessary, is consistent with HCD, and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1601.1**

BSC Response: BSC agreed with the CAC recommendation.

1601.2 System Design

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to repeal its co-adopted amendments to this section as they have been picked up by the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1601.2**

BSC Response: BSC agreed with the CAC recommendation.

1601.5.1 ~~1601.5.3~~ Maintenance Responsibility

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1601.5.1**

BSC Response: BSC agreed with the CAC recommendation.

1601.7 (Formerly 1601.6) Minimum Water Quality Requirements

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to renumber a code reference within this section to align with the corresponding renumbered section in the UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1601.7**

BSC Response: BSC agreed with the CAC recommendation.

1602.9.6.1 ~~1602.9.4.1~~ Disinfection

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to renumber this section to align with the corresponding renumbered section in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1602.9.6.1**

BSC Response: BSC agreed with the CAC recommendation.

Table 1602.9.6 (Formerly 1602.9.4)

Agency Statement, Specific Purpose, Rationale, and Benefit:

In the table row for “*Surface*, subsurface and drip irrigation,” BSC is proposing to add the parenthetical symbol reflecting 100 microns. Additionally, in the table row for “Spray irrigation where the maximum storage volume is less than 360 gallons (1363 L), BSC is proposing to repeal the reference “and disinfection in accordance with Section 1602.9.8.” This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Table 1602.9.6**

BSC Response: BSC agreed with the CAC recommendation.
1603.4 (Formerly 1602.9.5.3) Above Grade

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to co-adopt an exception stating that “tanks may be installed directly on grade in accordance with 1601.3,” in coordination with HCD.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1603.4**

BSC Response: BSC agreed with the CAC recommendation.

1603.15 (Formerly 1602.9.11) Required Filters

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing a grammatical correction, making the term drip irrigation system plural. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1603.15**

BSC Response: BSC agreed with the CAC recommendation.

1604.2 (Formerly 1604.10.1) Commercial, Industrial, Institutional, and Residential Restroom Signs

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to pluralize the word “area,” delete the word “restroom,” and add the statement “Signs shall comply with all applicable requirements in the California Building Code.” These amendments are consistent with similar provisions in Chapter 15 of the CPC applicable to Alternate Nonpotable Water Systems, both of which are co-adopted with HCD. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1604.2**

BSC Response: BSC agreed with the CAC recommendation.

1605.3 (Formerly 1602.11.2) Cross-Connection Inspection and Testing

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to renumber a code reference within the section language to correspond with the renumbered sections in the 2018 UPC. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1605.3**

BSC Response: BSC agreed with the CAC recommendation.

1603.5.2 (Formerly 1602.11.2.2) Cross-Connection Test

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC is proposing to delete the phrase “The procedure for determining cross-connection shall be followed by the applicant” and replace it with the phrase “A cross-connection test shall be performed” (the remaining model code language stays). Additionally, BSC is proposing to change “and” to “or” in this section for clarity. Lastly, within subsection (6), BSC is proposing to add the statement “When rainwater is not available for the initial test, a temporary connection to a potable water supply shall be required. At the conclusion of the test, the temporary connection to the potable water supply shall be disconnected.” These amendments are consistent with similar language applicable to Alternate Nonpotable Water Systems in Chapter 15, and are co-adopted with HCD for consistency and clarity. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1603.5.2**

BSC Response: BSC agreed with the CAC recommendation.

1605.3.3 (Formerly 1602.11.2.3) Discovery of Cross-Connection

Agency Statement, Specific Purpose, Rationale, and Benefit:

This section has been renumbered in the 2018 UPC. BSC proposes to delete the phrase “in the presence of the authority having jurisdiction,” consistent with similar language

applicable to Alternate Nonpotable Water Systems in Chapter 15, co-adopted with HCD. There is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **1605.3.3**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 16. – CHAPTER 17 – REFERENCED STANDARDS

Table 1701.1 Referenced Standards

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC is proposing to add the term “ANSI” to the NSF 350 standard number in the table, and also to delete the reference to Section 1501.7, in coordination with HCD. This editorial amendment is consistent with HCD and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed amendment to **Table 1701.1**

BSC Response: BSC agreed with the CAC recommendation.

ITEM 17. – APPENDIX CHAPTERS A, B, D, H, I, and J

Agency Statement, Specific Purpose, Rationale, and Benefit:

BSC proposes to continue adoption of Appendix Chapters A, B, D, H, I, and J of the 2018 UPC without amendment. This action is carried forward from prior cycles and there is no intended change in regulatory effect.

CAC Recommendation: The PEME Code Advisory Committee recommended Approve as Submitted (AS) to the proposed adoption of **Appendix Chapters A, B, D, H, I, and J**

BSC Response: BSC agreed with the CAC recommendation.

TECHNICAL, THEORETICAL, AND EMPIRICAL STUDY, REPORT, OR SIMILAR DOCUMENTS

Government Code Section 11346.2(b)(3) requires an identification of each technical, theoretical, and empirical study, report, or similar document, if any, upon which the agency relies in proposing the regulation(s).

There were no formal studies or reports used as the bases for the proposed adoption of the 2018 UPC. Health and Safety Code Section 18928 mandates this proposed action.

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

Government Code Section 11346.2(b)(1) requires a statement of the reasons why an agency believes any mandates for specific technologies or equipment or prescriptive standards are required.

There are no mandates for specific technologies, equipment, or prescriptive standards that are required.

CONSIDERATION OF REASONABLE ALTERNATIVES

Government Code Section 11346.2(b)(4)(A) requires a description of reasonable alternatives to the regulation and the agency's reasons for rejecting those alternatives. In the case of a regulation that would mandate the use of specific technologies or equipment or prescribe specific action or procedures, the imposition of performance standards shall be considered as an alternate. It is not the intent of this paragraph to require the agency to artificially construct alternatives or describe unreasonable alternatives.

There are no reasonable alternatives identified by BSC. Health and Safety Code Section 18928 mandates the proposed action.

REASONABLE ALTERNATIVES THE AGENCY HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS

Government Code Section 11346.2(b)(4)(B) requires a description of any reasonable alternatives that have been identified or that have otherwise been identified and brought to the attention of the agency that would lessen any adverse impact on small business.

No alternatives were identified to lessen any adverse impact on small businesses. Health and Safety Code Section 18928 mandates the proposed action, which will not result in an adverse impact on small business.

FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE IMPACT ON BUSINESS

Government Code Section 11346.2(b)(5)(A) requires the facts, evidence, documents, testimony, or other evidence on which the agency relies to support an initial determination that the action will not have a significant adverse economic impact on business.

No facts, evidence, documents, testimony, or other evidence of any significant adverse economic impact on business have been identified. Health and Safety Code Section 18928 mandates this proposed action.

ASSESSMENT OF EFFECT OF REGULATIONS UPON JOBS AND BUSINESS EXPANSION, ELIMINATION OR CREATION

Government Code Sections 11346.3(b)(1) and 11346.5(a)(10)

The Building Standards Commission has assessed whether or not and to what extent this proposal will affect the following:

A. The creation or elimination of jobs within the State of California.

These regulations will not affect the creation or elimination of jobs within the State of California

- B.** The creation of new businesses or the elimination of existing businesses within the State of California.

These regulations will not affect the creation or elimination of existing businesses within the State of California.

- C.** The expansion of businesses currently doing business within the State of California.

These regulations will not affect the expansion of businesses currently doing business with the State of California.

- D.** The benefits of the regulation to the health and welfare of California residents, worker safety, and the state's environment.

These regulations will bring California into compliance with the most recent edition of the national model code (i.e. the 2018 UPC, developed by the International Association of Plumbing and Mechanical Officials), thereby benefiting the welfare of residents, worker safety, and the state's environment.

ESTIMATED COST OF COMPLIANCE, ESTIMATED POTENTIAL BENEFITS, AND RELATED ASSUMPTIONS USED FOR BUILDING STANDARDS

Government Code Section 11346.2(b)(5)(B)(i) states if a proposed regulation is a building standard, the initial statement of reasons shall include the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates.

BSC did not identify any costs to comply with the proposed amendments, which reflect the most recent edition of the national model code (i.e. the 2018 UPC) and provide clarity and regulatory consistency to the code user.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

Government Code Section 11346.2(b)(6) requires a department, board, or commission within the Environmental Protection Agency, the Resources Agency, or the Office of the State Fire Marshal to describe its efforts, in connection with a proposed rulemaking action, to avoid unnecessary duplication or conflicts with federal regulations contained in the Code of Federal Regulations addressing the same issues. These agencies may adopt regulations different from these federal regulations upon a finding of one or more of the following justifications: (A) The differing state regulations are authorized by law and/or (B) The cost of differing state regulations is justified by the benefit to human health, public safety, public welfare, or the environment.

There are no federal regulations related to this proposed action, which is required by Health and Safety Code Section 18928.